Name: Green Label Silk Dyes
SDS No: All Colors Date: 6/6/15

1. Chemical, Product and Company Identification
Product Name: Silk Colors Green Label
Catalog Codes: NA
CAS#: NA
TSCA: COMPLIANCE
CI#: NA
Synonym: REACTIVE DYESTUFF
Chemical Name: Vinyl Sulphones

Contact Information:
Rupert Gibbon & Spider
1147 Healdsburg Rd
Healdsburg, CA 95448
800-442-0455
CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300
International CHEMTREC, call: 1-703-527-3887
For non-emergency assistance, call: 800-442-0455

2. Composition and Information on Ingredients
Composition:
<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACTIVE DYESTUFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACEDIC ACID 1.5%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

3. Hazards Identification
Routes of Entry: INHALATION: YES, SKIN ABSORPTION: NO, INGESTION: NO
SKIN CONTACT: YES, EYE CONTACT: YES
Potential Acute Health Effects: When tested on guinea pigs, this product has shown a positive skin sensitization potential. This product has caused respiratory sensitization in some individual cases after repeated exposure.
Signs and Symptoms of Exposure: Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough, and irritated eyes to asthmatic symptoms. These effects can lead to shock and cardiovascular collapse and are potential lethal.
Medical Conditions Aggravated: Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.
Carcinogenic: IARC: NO, NTP: NO, OSHA: NO, ACGIH: NO

4. First Aid Measures
General Information: Immediately remove all contaminated clothing
Eye Contact: Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
Ingestion: Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

Skin Contact: Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Section 5: Fire and Explosion Data
Flammability of the Product: NA
Auto-Ignition Temperature: NA
Flash Points: Not Applicable
Flammable Limits: NA
Products of Combustion: NA
Fire Hazards in Presence of Various Substances: NA
Explosion Hazards in Presence of Various Substances: NA
Fire Fighting Media and Instructions: CO2, Dry Chemical, Foam, Water

Special Remarks on Fire & Explosion Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritation fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

Section 6: Accidental Release Measures
Large or Small Spill: Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

Section 7: Handling and Storage
Precautions: In accord with good industrial practice. Handle with care and avoid personal contact.
Storage: In accord with good industrial practice. Handle with care and avoid personal contact.

Section 8: Exposure Controls/Personal Protection
General Protective Measures: Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
Personal Protection:
Eye: Employees should wear protective eye-goggles with side protection shield.
Skin: Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. fo PVC or nitrile rubber, and booths are recommended. Additional protections such as impervious suits are recommended when the potential of dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.
Respiratory: Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.
Ventilation: Use local ventilation.
Other: Wear overalls, apron or other protective clothing.
Personal Protection in Case of a Large Spill: Gloves, & other protective clothing.
Exposure Limits: NA

Section 9: Physical and Chemical Properties
Physical state and appearance: Powder
Odor: None
Taste: NA
Molecular Weight: NA
Color: Ranges from Yellow to Dark Brown
pH (1% soln/water): Approx. 4.0 - 5.0
Boiling Point: NA
Melting Point: NA
Critical Temperature: >240 C
Specific Gravity: NA
Vapor Pressure: NA
Vapor Density: NA
Vapor Pressure: NA
Odor Threshold: NA
Water/Oil Dist. Coeff.: NA
Ionicity (in Water): NA
Dispersion Properties: NA
Solubility: +/- 70-100 g/L

Section 10: Stability and Reactivity Data
Stability: stable
Instability Temperature: No thermal decomposition when stored and handled correctly.
Conditions of Instability: NA
Incompatibility with various substances: NA
Corrosivity: Corrosive
Special Remarks on Reactivity: None expected
Special Remarks on Corrosivity: NA
Polymerization: NA

Section 11: Toxicological Information
Routes of Entry: Not available
Toxicity to Animals:
Animal Toxicity Oral – LD50 (Ingestion), >3000 mg/l (rats)
Fish, LC50, >100 mg/l (48 hour, Killfish)
Eye Effects – Non-irritant
Skin Effects – Non-irritant
Sensitization – May cause sensitization by skin contact (Guinea Pig).
Chronic Effects on Humans: Not available
Other Toxic Effects on Humans: Not available
Special Remarks on Toxicity to Animals: None
Special Remarks on Chronic Effects on Humans: None
Special Remarks on other Toxic Effects on Humans: None

Section 12: Ecological Information
Ecotoxicity: NA
BOD5 and COD: NA
Products of Biodegradation: NA
Toxicity of the Products of Biodegradation: NA
Special Remarks on the Products of Biodegradation: NA

Section 13: Disposal Considerations
Waste Disposal:
Product: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, M state and local environmental regulations, e.g. by incineration in a suitable plant.
Uncleaned Packaging: Soiled, empty containers are to be treated in the same way as the contents.

Section 14: Transport Information
DOT Classification: Not regulated
Identification: Non-hazardous Ink Material
Special Provisions for Transport:
Frt. Class Package: 55

**Section 15: Other Regulatory Information**

**Federal and State Regulations:**
TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA 312:
  - Immediate (acute) health hazard – Yes
  - Delayed (chronic) health hazard – Yes
  - Fire hazard – No
  - Sudden Release of Pressure – No
  - Reactivity – No
California Proposition 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

**Other Regulations:** Label in accordance with the EEC directives:
  - Hazard Symbols: Xn Harmful
  - R 42/43: May cause sensitization by inhalation and skin contact
  - S22: Do not breathe dust
  - S24: Avoid contact with skin
  - S37: Wear suitable gloves
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC

**Other Classifications:**
WHMIS (Canada):
DSCL (EEC):

HMIS (U.S.A.):
  - Health Hazard: Yes (Acute)
  - Fire Hazard: NA
  - Reactivity: NA
  - Personal Protection: Gloves
National Fire Protection Association (U.S.A.): NA
  - Health: NA
  - Flammability: NA
  - Reactivity: NA

Specific hazard: NA
Protective Equipment: NA

**Section 16: Other Information**
The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.